**Honors Biology: Cellular Respiration Worksheet**

1. What are the 2 metabolic pathways a cell can use and what determines which pathway is used?
2. Write the overall equation for cellular respiration.
3. What are the 3 phases of the cellular respiration process?
4. Where in the cell does the glycolysis part of cellular respiration occur? Why?
5. Where in the cell does the Krebs (Citric Acid) cycle part of cellular respiration occur? Why?
6. Where in the cell does the electron transport part of cellular respiration occur? Why?
7. How many ATP are made in the glycolysis part of cellular respiration?
8. How many ATP are made in the Kreb’s cycle part of cellular respiration?
9. How many ATP are made in the electron transport part of cellular respiration?
10. In which phase of cellular respiration is carbon dioxide made?
11. What are NAD+ and FAD? What do they do and what do they become?
12. In which phase of cellular respiration is water made?
13. What would happen to the cellular respiration process if the enzyme (aka catalyst) for one step of the process was missing or defective?
14. Where does the process of fermentation take place?
15. What are the products of lactate fermentation?
16. What are the products of ethanol fermentation?